Extra long factorials

Problem Statement

You are given an integer N. Print the factorial of this number.

$$N! = N \times (N-1) \times (N-2) \times \cdots \times 3 \times 2 \times 1$$

Note: Factorials of $N > 20$ can't be stored even in a $64 - bit$ long long variable. Big integers must be used for such calculations. Languages like Java, Python, Ruby etc. can handle big integers but we need to write additional code in C/C++ to handle such large values.

We recommend solving this challenge using BigIntegers.

Input Format
Input consists of a single integer N.

Constraints
$1 \leq N \leq 100$

Output Format
Output the factorial of N.

Sample Input

```
25
```

Sample Output

```
15511210043330985984000000
```